

The following were developed by M. Ken Aycock, Jr., University of Maryland, Department of Agronomy, College Park, Maryland 20742, United States; C.L. Mulchi, University of Maryland, Maryland Agric. Exp. Sta., Dept. of Nat. Resource Sciences and Landscape Architecture, College Park, Maryland 20742-4452, United States. Received 11/25/1997.

PI 599689. *Nicotiana tabacum* L.

Breeding. Pureline. LAMD 609. GP-52. Pedigree - [(MD 609 x LA Burley 21) x MD 609] BC6F5. Low-alkaloid Maryland tobacco germplasm line. Total alkaloids .06% compared to MD 609 at 1.93%. Total nitrogen 3.8%, MD 609 is 4.01%. Lower in yield and leaf quality than MD 609. Flowers 70 days after transplanting.

The following were developed by An Hang, USDA, ARS, National Small Grains Germplasm, Research Facility, Aberdeen, Idaho 83210, United States; Matt Silbernagel, USDA, ARS, Vegetable Crop Production, IAREC, P.O. Box 30, Prosser, Washington 99350, United States; Phil Miklas, USDA, ARS, Irrigated Agric. Research & Extension Ctr., 24106 North Bunn Road, Prosser, Washington 99350, United States. Received 11/25/1997.

PI 599690. *Phaseolus vulgaris* L.

Breeding. USWA-27 ANASAZI BEANS (R); ANASAZI BEANS (R). GP-178. Pedigree - (A55/Anasazi bean). Growth habit upright. Lodging resistance and unprotected dominant I gene resistance to bean common mosaic virus and curly top virus. Late maturing with potential high yield. Seed black and white mottled, strong vigor, size medium and plump, weight 27-30 g 100 seed-1.

PI 599691. *Phaseolus vulgaris* L.

Breeding. USWA-20. GP-179. Pedigree - (Othello/Sierra). Plant habit floppy, indeterminate, short vine, III-A CIAT classification, and maturity late. Yield higher and seed size larger than parents (Othello and Sierra). Seed similar to Sierra, plump with faintly colored pale corona and slightly large background. Resistant to bean common mosaic virus, curly top virus, and root rot complex present in Pacific Northwest of US. High level of broad spectrum resistance to Fusarium Yellow root rot (*Fusarium oxysporium* sp. *phaseoli*) including the highly virulent strain found in Colorado and Nebraska.

The following were developed by Lynn M. Gourley, Mississippi State University, Box 9555, Mississippi State, Mississippi 39762, United States. Received 11/25/1997.

PI 599692. *Sorghum bicolor* (L.) Moench

Breeding. Pureline. MP 26; (BMR Silage 1)-24-1-1-1. Pedigree - [(CS 3541*1005)-1*((Stoneville Synthetic*Leoti Derivative Low Bloom)*(IS 38-2934*BMR 18))-1-6-2]-24-1-1-1. Inbred 1 of 20 (Group 1). Silage or food-quality dual purpose R-line with recessive brown-midrib gene, bmr-12 or bmr-18, which are allelic. Plant color tan, grain with white epicarp, absence of testa, panicle semi-open, exertion approx. 10 cm. Seed weight 2.28 gm 100 seed-1. In June plantings at Plainview, TX and Starkville, MS, had days to 50% anthesis 73 and 74, and plant height 125 and 207 cm. respectively.